

Form PTO-1449 (modified)Atty. Docket No.
INRP:081USD1/SLHSerial No.
09/203,078

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicants

Shuyuan Zhang, Capucine Thwin, Zheng Wu,
Toohyon Cho, and Shawn Gallagher

Filing Date:

6/12/2001

Group:

Unknown

U.S. Patent Documents

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Foreign Patent Documents

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
MM	A1	4,352,883	10/05/82	Lim			

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MM	B1	WO 94/17178	08/04/94	PCT			
	B2	WO 96/27677	09/12/96	PCT			
	B3	WO/98/00524	01/08/98	PCT			
	B4	WO 97/08298	03/06/97	PCT			
	B5	EP 0273085	12/29/86	Europe			
	B6	WO 98/22588	5/28/98	PCT			
	B7	WO 98/26048	6/18/98	PCT			
MM	B8	WO 98/54441	10/28/99	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
MM	C1	Aboud <i>et al.</i> , "Rapid purification of extracellular and intracellular moloney murine leukemia virus," <i>Arch. Virol.</i> , 71:185-195, 1982.
	C2	Arap <i>et al.</i> , "Replacement of the <i>p16/CDKN2</i> gene suppresses human glioma cell growth," <i>Cancer Res.</i> , 55:1351-1354, 1995.
	C3	Baichwal and Sugden, <i>In: Kucherlapati R, ed. Gene transfer. New York: Plenum Press, pp. 117-148, 1986.</i>

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Exam. Init.	Ref. Des.	Citation
MM	C4	Benvenisty and Neshif, "Direction introduction of genes into rats and expression of the genes," <i>Proc. Nat'l Acad. Sci. USA</i> , 83:9551-9555, 1986.
	C5	Berg <i>et al.</i> , "High-level expression of secreted proteins from cells adapted to serum-free suspension culture," <i>BioTechniques</i> , 14(6):972-978, 1993.
	C6	Bett, "An efficient and flexible system for construction of adenovirus vectors with insertions or deletions in early regions 1 and 3," <i>Proc. Natl. Acad. Sci. USA</i> , 91(19):8802-8806, 1994.
	C7	Bussemakers <i>et al.</i> , "Decreased expression of E-cadherin in the progression of rat prostatic cancer," <i>Cancer Res.</i> , 52:2916-2922, 1992.
	C8	Caldas <i>et al.</i> , "Frequent somatic mutations and homozygous deletions of the p16 (MTS1) gene in pancreatic adenocarcinoma," <i>Nat. Genet.</i> , 8:27-32, 1994.
	C9	Casey <i>et al.</i> , "Growth suppression of human breast cancer cells by the introduction of a wild-type p53 gene," <i>Oncogene</i> , 6:1791-1797, 1991.
	C10	Chen and Okayama, "High-efficiency transfection of mammalian cells by plasmid DNA," <i>Mol. Cell Biol.</i> , 7:2745-2752, 1987.
	C11	Cheng <i>et al.</i> , "p16 Alterations and deletion mapping of 9p21-p22 in malignant mesothelioma," <i>Cancer Res.</i> , 54:5547-5551, 1994.
	C12	Cheung <i>et al.</i> , "Structure and function of C-CAM1," <i>J Biol Chem.</i> 268(32):24303-24310, 1993.
	C13	Cheung <i>et al.</i> , "The cytoplasmic domain of C-CAM is required for C-CAM-mediated adhesion function: studies of a C-CAM transcript containing an unspliced intron," <i>Biochem. J.</i> , 295:427-435, 1993.
	C14	Cheung <i>et al.</i> , "Cell-CAM105 isoforms with different adhesion functions are coexpressed in adult rat tissues and during liver development," <i>J. Biol. Chem.</i> , 268:6139-6146, 1993.
	C15	Coffin, "Retroviridae and their replication," In: <i>Virology</i> , Fields <i>et al.</i> (eds.), New York: Raven Press, pp. 1437-1500, 1990.
	C16	Coupar <i>et al.</i> , "A general method for the construction of recombinant vaccinia virus expressing multiple foreign genes," <i>Gene</i> , 68:1-10, 1988.

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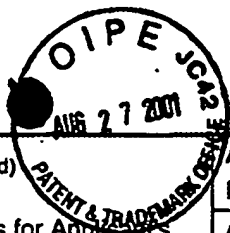
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M/M	C17	Crooks <i>et al.</i> , "Purification and analysis of infections virions and native non-structural antigens from cells infected with tick-borne encephalitis virus," <i>J. Chrom.</i> , 502:59-68, 1990.
	C18	Dubensky <i>et al.</i> , "Direct transfection of viral and plasmid DNA into the liver or spleen of mice," <i>Proc. Nat. Acad. Sci. USA</i> , 81:7529-7533, 1984.
	C19	Edelman and Crossin, "Cell adhesion molecules: implications for a molecular histology," <i>Annu. Rev. Biochem.</i> , 60:155-190, 1991.
	C20	Edelman, "Cell adhesion and the molecular processes of morphogenesis," <i>Annu. Rev. Biochem.</i> , 54:135-169, 1985.
	C21	Fechheimer <i>et al.</i> , "Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading," <i>Proc. Nat'l Acad. Sci. USA</i> , 84:8463-8467, 1987.
	C22	Ferkol <i>et al.</i> , "Regulation of the phosphoenolpyruvate carboxykinase/human factor IX gene introduced into the livers of adult rats by receptor-mediated gene transfer," <i>FASEB J.</i> , 7:1081-1091, 1993.
	C23	Fraley <i>et al.</i> , "Entrapment of a bacterial plasmid in phospholipid vesicles: Potential for gene transfer," <i>Proc. Nat'l Acad. Sci. USA</i> , 76:3348-3352, 1979.
	C24	Freshney, "Animal Cell Culture: a Practical Approach", Second Edition, Oxford/New York, IRL Press, Oxford University Press, 1992.
	C25	Frixen <i>et al.</i> , "E-cadherin-mediated cell-cell adhesion prevents invasiveness of human carcinoma cells," <i>J. Cell Biol.</i> , 113:173-185, 1991.
	C26	Garnier <i>et al.</i> , "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells," <i>Cytotechnol.</i> , 15:145-155, 1994.
	C27	Ghosh and Bachhawat, <i>In: Liver Diseases, Targeted Diagnosis and Therapy Using Specific Receptors and Ligands</i> , Wu G, Wu C (ed.), Marcel Dekker, New York, pp. 87-104, 1991.
	C28	Giancotti and Ruoslahti, "Elevated levels of the $\alpha_5\beta_1$ fibronectin receptor suppress the transformed phenotype of Chinese hamster ovary cells," <i>Cell</i> , 60:849-859, 1990.
	C29	Gilbert, "Adaptation of cells to serum free culture for production of adenovirus vectors and recombinant proteins," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.

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Exam. Init.	Ref. Des.	Citation
MM	C30	Gopal, "Gene transfer method for transient gene expression, stable transfection, and cotransfection of suspension cell cultures," <i>Mol. Cell Biol.</i> , 5:1188-1190, 1985.
	C31	Graham and Prevec, "Manipulation of adenovirus vectors," <i>In: Methods in Molecular Biology: Gene Transfer and Expression Protocols 7</i> , (Murray, Ed.), Humana Press, Clifton, NJ, pp. 109-128, 1991.
	C32	Graham and Van Der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA", <i>Virology</i> , 52:456-467, 1973.
	C33	Graham <i>et al.</i> , "Characteristics of a human cell line transformed by DNA from human adenovirus type 5," <i>J. Gen. Virol.</i> , 36:59-72, 1977.
	C34	Graham, "Growth of 293 Cells in Suspension Culture," <i>J. Gen. Virol.</i> , 68:937-940, 1987.
	C35	Griffiths, "Overview of cell culture systems and their scale-up," <i>In: Animal Cell Biotechnology</i> , Vol. 3, p. 179-220, (Spier and Griffiths, eds.), Academic Press, London, 1986.
	C36	Harland and Weintraub, "Translation of mammalian mRNA injected into <i>Xenopus</i> oocytes is specifically inhibited by antisense RNA," <i>J. Cell Biol.</i> , 101:1094-1099, 1985.
	C37	Hay <i>et al.</i> , "Replication of adenovirus mini-chromosomes," <i>J. Mol. Biol.</i> , 175:493-510, 1984.
	C38	Hearing and Shenk, "Functional analysis of the nucleotide sequence surrounding the cap site for adenovirus type 5 region E1A messenger RNAs," <i>J. Mol. Biol.</i> , 167:809-822, 1983.
	C39	Hearing <i>et al.</i> , "Identification of a repeated sequence element required for efficient encapsidation of the adenovirus type 5 chromosome," <i>J. Virol.</i> , 61:2555-2558, 1987.
	C40	Hearing <i>et al.</i> , "Identification of a repeated sequence element required for efficient encapsidation of the adenovirus type 5 chromosome", <i>Journal of Virology</i> , 67:2555-2558, 1987.
	C41	Hermonat and Muzycska, "Use of adenoassociated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:6466-6470, 1984.
	C42	Hollstein <i>et al.</i> , "p53 mutations in human cancers," <i>Science</i> , 253:49-53, 1991.

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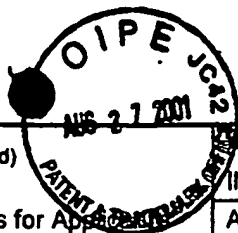
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Exam. Init.	Ref. Des.	Citation
MM	C43	Hussussian <i>et al.</i> , "Germline p16 mutations in familial melanoma," <i>Nature Genetics</i> , 8(1):15-21, 1994.
	C44	Huyghe <i>et al.</i> , "Purification of a type 5 recombinant adenovirus encoding human p53 by column chromatography," <i>Hum. Gene Ther.</i> , 6:1403-1416, 1996.
	C45	International Search Report dated July 16, 1998 (PCT/US97/21504) (INGN:058P).
	C46	Jones and Shenk, "Isolation of deletion and substitution mutants of adenovirus type 5," <i>Cell</i> , 13:181-188, 1978.
	C47	Kamb <i>et al.</i> , "A cell cycle regulator potentially involved in genesis of many tumor types," <i>Science</i> , 264:436-440, 1994.
	C48	Kamb <i>et al.</i> , "Analysis of the p16 gene (<i>CDKN2</i>) as a candidate for the chromosome 9p melanoma susceptibility locus," <i>Nature Genetics</i> , 8:22-26, 1994.
	C49	Kaneda <i>et al.</i> , "Increased expression of DNA cointroduced with nuclear protein in adult rat liver," <i>Science</i> , 243:375-378, 1989.
	C50	Kato <i>et al.</i> , "Expression of hepatitis b virus surface antigen in adult rat liver," <i>J. Biol. Chem.</i> , 266:3361-3364, 1991.
	C51	Klein <i>et al.</i> , "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> , 327:70-73, 1987.
	C52	Larsson and Litwin, "The growth of polio virus in human diploid fibroblasts grown with cellulose microcarriers in suspension cultures," <i>Dev. Biol. Standard.</i> , 66:385-390, 1987.
	C53	Levrero <i>et al.</i> , "Defective and nondefective adenovirus vectors for expressing foreign genes <i>in vitro</i> and <i>in vivo</i> ," <i>Gene</i> , 101:195-202, 1991.
	C54	Lin and Guidotti, "Cloning and expression of a cDNA coding for a rat liver plasma membrane ecto-ATPase," <i>J. Biol. Chem.</i> , 264:14408-14414, 1989.
	C55	Mann <i>et al.</i> , "Construction of a retrovirus packaging mutant and its use to produce helper-free defective retrovirus," <i>Cell</i> , 33:153-159, 1983.
✓	C56	Matsuura <i>et al.</i> , "Altered expression of e-cadherin in gastric cancer tissues and carcinomatous fluid," <i>Brit. J. Cancer</i> , 66:1122-1130, 1992.

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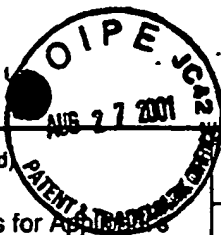
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Exam. Init.	Ref. Des.	Citation
MM	C57	McGrath <i>et al.</i> , "Retrovirus purification: method that conserves envelope glycoprotein and maximizes infectivity," <i>J. Virol.</i> , 25:923-927, 1978.
	C58	Mercer, "Cell cycle regulation and the p53 tumor suppressor protein," <i>Critic. Rev. Eukar. Gene Express.</i> 2:251-263, 1992.
	C59	Mizrahi, "Production of human interferons - an overview," <i>Proc. Biochem.</i> , (August):9-12, 1983.
	C60	Morris <i>et al.</i> , "Serum-free production of adenoviral vectors for gene therapy," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.
	C61	Nicolas and Rubenstein, "Vectors: a survey of molecular cloning vectors and their uses," <i>In: Vectors: A Survey of Molecular Cloning Vectors and Their Uses</i> , Rodriguez and Denhardt, (eds.), Stoneham: Butterworth, pp. 493-513, 1988.
	C62	Nicolau and Sene, "Liposome-mediated DNA transfer in eukaryotic cells," <i>Biochem. Biophys. Acta</i> , 721:185-190, 1982.
	C63	Nicolau <i>et al.</i> , "Liposomes as carriers for <i>in vivo</i> gene transfer and expression," <i>Methods Enzymol.</i> , 149:157-176, 1987.
	C64	Nilsson and Mosbach, "Immobilized animal cells," <i>Dev. Biol. Standard</i> , 66:183-193, 1987
	C65	Nobori <i>et al.</i> , "Deletions to the cyclin-dependent kinase-4 inhibitor gene in multiple human cancers," <i>Nature</i> , 368:753-756, 1994.
	C66	O'Neil and Balkovic, "Virus harvesting and affinity-based liquid chromatography," <i>Bio. Technol.</i> , 11:173-178, 1993.
	C67	Obrink, "C-CAM (cell-CAM 105) - a member of the growing immunoglobulin superfamily of cell adhesion proteins," <i>BioEssays</i> , 13:227-233, 1991.
	C68	Odin and Obrink, "Quantitative determination of the organ distribution of the cell adhesion molecule cell-CAM 105 by radioimmunoassay," <i>Exp. Cell Res.</i> , 171:1-15, 1987.
	C69	Okamoto <i>et al.</i> , "Mutations and altered expression of p16 ^{INK4} in human cancer," <i>Proc. Nat'l Acad. Sci. USA</i> , 91:11045-11049, 1994.
V	C70	Orlow <i>et al.</i> , "Chromosome 9 allelic losses and microsatellite alterations in human bladder tumors," <i>Cancer Res.</i> , 54:2848-2851, 1994.

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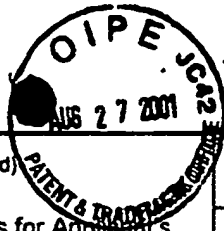
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MM	C71	Paskind <i>et al.</i> , "Dependence of moloney murine leukemia virus production on cell growth," <i>Virology</i> , 67:242-248, 1975.
	C72	Perales <i>et al.</i> , "Gene transfer in vivo: sustained expression and regulation of genes introduced into the liver by receptor-targeted uptake," <i>Proc. Natl. Acad. Sci. USA</i> , 91:4086-4090, 1994.
	C73	Perrin <i>et al.</i> , "An experimental rabies vaccine produced with a new BHK-21 suspension cell culture process: use of serum-free medium and perfusion-reactor system," <i>Vaccine</i> , 13(13):1244-1250, 1995.
	C74	Petriccioni, "Should continuous cell lines be used as substrates for biological products?," <i>Dev. Biol. Standard</i> , 66:3-12, 1985.
	C75	Phillips <i>et al.</i> , "Experience in the cultivation of mammalian cells on the 8000 1 scale," <i>In: Large Scale Mammalian Cell Culture</i> (Feder and Tolbert, eds.), Academic Press, Orlando, FL, U.S.A., 1985.
	C76	Potter <i>et al.</i> , "Enhancer-dependent expression of human k immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:7161-7165, 1984.
	C77	Provisional U.S. Patent Application Serial No. 60/026,667, Entitled: "METHOD FOR THE PRODUCTION OF RECOMBINANT ADENOVIRUSES," RPR File No. ST96021-U.S., Translated from the French by the Medical Documentation Service® Institute for Scientific Information® Philadelphia, Pennsylvania.
	C78	Renan, "Cancer genes: current status, future prospects, and applications in radiotherapy/oncology," <i>Radiother. Oncol.</i> , 19:197-218, 1990.
	C79	Ridgeway, "Mammalian expression vectors," <i>In: Rodriguez RL, Denhardt DT, ed. Vectors: A survey of molecular cloning vectors and their uses.</i> Stoneham: Butterworth, pp. 467-492, 1988.
	C80	Rippe <i>et al.</i> , "DNA-mediated gene transfer into adult rat hepatocytes in primary culture," <i>Mol. Cell Biol.</i> , 10:689-695, 1990.
	C81	Roux <i>et al.</i> , "A versatile and potentially general approach to the targeting of specific cell types by retroviruses: application to the infection of human cells by means of major histocompatibility complex class I and class II antigens by mouse ecotropic murine leukemia virus-derived viruses," <i>Proc. Nat'l Acad. Sci. USA</i> , 86:9079-9083, 1989.

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MM	C82	Serrano <i>et al.</i> , "A New Regulatory Motif in Cell-Cycle Control Causing Specific Inhibition of Cyclin D/CDK4," <i>Nature</i> , 366:704-707, 1993.
	C83	Serrano <i>et al.</i> , "Inhibition of Ras-Induced Proliferation and Cellular Transformation by p16 ^{INK4} ," <i>Science</i> , 267:249-252, 1995.
	C84	Smith and Lee, "Large-scale isolation and partial purification of type C RNA viruses on hydroxyapatite," <i>Analytical Biochem.</i> , 86: 252-263, 1978.
	C85	Takahasi <i>et al.</i> , "Wild-type but not mutant p53 suppresses the growth of human lung cancer cells bearing multiple genetic lesions," <i>Cancer Res.</i> , 52:2340-2342, 1992.
	C86	Temin, "Retrovirus vectors for gene transfer: efficient integration into and expression of exogenous DNA in vertebrate cell genomes," In: <i>Gene Transfer</i> , (Kucherlapati, ed.), Plenum Press, New York, pp. 149-188, 1986.
	C87	Tibbetts, "Viral DNA sequences from incomplete particles of human adenovirus type 7," <i>Cell</i> , 12:243-249, 1977.
	C88	Tur-Kaspa <i>et al.</i> , "Use of electroporation to introduce biologically active foreign genes into primary rat hepatocytes," <i>Mol. Cell Biol.</i> , 6:716-718, 1986.
	C89	Umbas <i>et al.</i> , "Expression of the cellular adhesion molecule E-cadherin is reduced or absent in high-grade prostate cancer," <i>Cancer Res.</i> , 52:5104-5109, 1992.
	C90	van Wezel, "Growth of cell-strains and primary cells on micro-carriers in homogeneous culture," <i>Nature</i> , 216:64-65, 1967.
	C91	Wagner <i>et al.</i> , "Transferrin-polycation conjugates as carriers for DNA uptake into cells", <i>Proc. Nat'l. Acad. Sci.</i> , 87(9):3410-3414, 1990.
	C92	Wagner <i>et al.</i> , "Antisense gene inhibition by oligonucleotides containing C-5 propyne pyrimidines," <i>Science</i> , 260:1510-1513, 1990.
	C93	Wang <i>et al.</i> , "High cell density perfusion culture of hybridoma cells for production of monoclonal antibodies in the celligen packed bed reactor," In: <i>Animal Cell Technology: Basic & Applied Aspects</i> , (Kaminogawa <i>et al.</i> , eds), Kluwer Academic Publishers, Netherlands, vol. 5, pp. 463-469, 1993.

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Examiner:

M. J. L.

Date Considered:

9-30-02

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

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Page 9 of 9

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



Atty. Docket No.

INRP:081USD1/SLH

Serial No.

09/203,078

Applicants

Shuyuan Zhang, Capucine Thwin, Zheng Wu,
Toohyon Cho, and Shawn Gallagher

Filing Date:

6/12/2001

Group:

Unknown

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C94	Wang <i>et al.</i> , "Modified CelliGen-packed bed bioreactors for hybridoma cell cultures," <i>Cytotechnol.</i> , 9:41-49, 1992.
	C95	Watt <i>et al.</i> , "Human prostate-specific antigen: structural and functional similarity with serine proteases", <i>Proc. Nat'l Acad. Sci.</i> , 83(2):3166-3170, 1986.
	C96	Weinberg, "Tumor Suppressor Genes," <i>Science</i> , 254:1138-1145, 1991.
	C97	Wong <i>et al.</i> , "Appearance of b-lactamase activity in animal cells upon liposome mediated gene transfer," <i>Gene</i> , 10:87-94, 1980.
	C98	Wu and Wu, "Receptor mediated <i>in vitro</i> gene transfections by a soluble DNA courier system," <i>J. Biol. Chem.</i> , 262:4429-4432, 1987.
	C99	Wu and Wu, "Evidence for targeted gene delivery to HepG2 hepatoma cells <i>in vitro</i> ," <i>Biochemistry</i> , 27:887-892, 1988.
	C100	Wu and Wu, "Liver-directed gene delivery", <i>Adv. Drug Delivery Rev.</i> , 12:159-167, 1993.
	C101	Yang <i>et al.</i> , "In vivo and <i>in vitro</i> gene transfer to mammalian somatic cells by particle bombardment," <i>Proc. Nat'l Acad. Sci. USA</i> , 87:9568-9572, 1990.
	C102	Shabram <i>et al.</i> , "Analytical anion-exchange HPLC of recombinant type-5 adenoviral particles," <i>Human Gene Therapy</i> , 8:453-465, 1997.

25065727.1

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Information Disclosure Statement — PTO-1449 (Modified)

A: 201108(25065727_1)

Form PTO-1449 (modified)	Atty. Docket No. INRP:081USD1	Serial No. 09/880,609
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Shuyuan Zhang <i>et al.</i>	
	Filing Date: June 12, 2001	Group: 1648
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
M	A6	4,725,547	2/16/88	Sakamoto <i>et al.</i>	435	239	8/9/85
	A7	4,797,368	1/10/89	Carter <i>et al.</i>	435	320	3/15/85
	A8	5,139,941	8/18/92	Muzicka <i>et al.</i>	435	172.3	10/25/91
	A9	5,552,309	9/3/96	March	435	172.3	9/30/94
	A10	5,607,851	3/4/97	Pellegrini <i>et al.</i>	435	236	7/18/94
	A11	5,744,304	4/28/98	Munford	435	6	5/30/95
	A12	5,789,244	8/4/98	Heidrum <i>et al.</i>	435	320.1	1/8/96
	A13	5,837,520	11/17/98	Shabram <i>et al.</i>	435	239	3/07/95
	A14	6,194,210	2/27/01	Leu and Seifert	435	403	4/17/96

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
M	B9	1279843	11/10/89	Japan			ABSTRACT
	B10	4-9338	1/14/92	Japan			ABSTRACT
	B11	EP 0475623	3/18/92	Europe			
	B12	WO 00/34444	6/15/00	PCT			
	B13	WO 93/18790	9/30/93	PCT			
	B14	WO 93/25224	12/23/93	PCT			
	B15	WO 94/06910	3/31/94	PCT			
	B16	WO 95/10601	4/20/95	PCT			
	B17	WO 95/19427	7/20/95	PCT			
	B18	WO 95/25789	9/28/95	PCT			
	B19	WO 96/32116	10/17/96	PCT			

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
M	C113	Kotani, "Serum-free production of adenoviral vectors for gene therapy," Williamsburg BioProcessing Conference, Nov. 18-21, 1996.
	C114	Lentfer and Conde, "A rapid and inexpensive procedure for the purification of adenovirions," <i>Archives of Virology</i> , 56:189-193, 1978.
	C115	Lu <i>et al.</i> , "Coat protein interactions involved in tobacco mosaic tobamovirus cross-protection," <i>Virology</i> , 248:188-198, 1998.
	C116	Lueckel <i>et al.</i> , "Formulations of sugars with amino acids or mannitol--influence of concentration ratio on the properties of the freeze-concentrate and the lyophilizate," <i>Pharm. Dev. Technol.</i> , 3:326-336, 1998.
	C117	Montagnon, "Polio and rabies vaccines produced in continuous cell lines: a reality for vero cell line," <i>Develop. Biol. Standard.</i> , 70:27-47, 1989.
	C118	Mori <i>et al.</i> , "Frequent somatic mutation of the <i>MTS1/CDK41</i> (Multiple Tumor suppressor/Cyclin dependent Kinase 4 Inhibitor) gene in esophageal squamous cell carcinoma," <i>Cancer Res.</i> , 54:3396-3397, 1994.
	C119	Nadeau <i>et al.</i> , <i>Biotechnology and Bioengineering</i> , 51:613-623, 1996.
	C120	Payment <i>et al.</i> , In: <i>Biotechnology Current Progress</i> , ed. P.N. Cheremisinoff <i>et al.</i> , Technomic Publishing, 1991.
	C121	Racher <i>et al.</i> , "Culture of 293 cells in different culture systems: cell growth and recombinant adenovirus production," <i>Biotechnology Techniques</i> , 9:169-174, 1995.
	C122	Sagrera <i>et al.</i> , "Study of the influence of salt concentration on Newcastle disease virus matrix protein aggregation," <i>Biochem. Mol. Biol. Int.</i> , 46:429-435, 1998.
	C123	Trepanier <i>et al.</i> , <i>Journal of Virological Methods</i> , 3:201-211, 1981.
	C124	Vanlandschoot <i>et al.</i> , "pH-dependent aggregation and secretion of soluble monomeric influenza hemagglutinin," <i>Arch. Virol.</i> , 143:227-239, 1998.
	C125	Vossen and Fried, "Sequestration stabilizes lac repressor-DNA complexes during gel electrophoresis," <i>Anal. Biochem.</i> , 245:85-92, 1997.
J	C126	Wills and Menzel, "Adenovirus Vectors for Gene Therapy of Cancer," <i>J. of Cellular Biochem.</i> , Suppl. 17E, S216:206, 1993.

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DATE CONSIDERED:

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. INRP:081USD1	Serial No. 09/880,609
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Shuyuan Zhang <i>et al.</i>	
	Filing Date: June 12, 2001	Group: 1648
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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MM	B20	WO 97/04803	2/13/97	PCT			
	B21	WO 98/35554	8/20/98	PCT			
	B22	WO 99/12568	3/18/99	PCT			
	B23	WO 99/41416	8/19/99	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
MM	C104	Cartwright, "Fermenter design for animal cell cultures," Animal Cells as Bioreactors, Cambridge University Press, 58-63, 1994.
	C105	Carver <i>et al.</i> , "Transgenic livestock as bioreactors: stable expression of human alpha-1-antitrypsin by a flock of sheep," <i>Biotechnology NY</i> , 11:1263-1270, 1993.
	C106	Complaint Aventis Pharmaceuticals Products Inc. and Aventis Pharma, S.A., Plaintiffs, v. Inrogen Therapeutics, Inc., Defendant. Civil Action No. 01-451 from the U.S. District Court for the District of Delaware, June 29, 2001.
	C107	Corveleyn and Remon, "Maltodextrins as lyoprotectants in the lyophilization of a model protein, LDH," <i>Pharm. Res.</i> , 13:146-150, 1996.
	C108	Croyle <i>et al.</i> , "Factors that influence stability of recombinant adenoviral preparations for human gene therapy," <i>Pharm. Dev. Technol.</i> , 3(3):373-383, 1998.
	C109	Fried and Bromberg, "Factors that affect the stability of protein-DNA complexes during gel electrophoresis," <i>Electrophoresis</i> , 18:6-11, 1997.
	C110	Hall <i>et al.</i> , "Stabilizing effect of sucrose against irreversible denaturation of rabbit muscle lactate dehydrogenase," <i>Biophys. Chem.</i> , 57:47-54, 1995.
	C111	Herman <i>et al.</i> , "The effect of bulking agent on the solid-state stability of freeze-dried methylprednisolone sodium succinate," <i>Pharm. Res.</i> , 11:1467-1473, 1994.
	C112	Kotani <i>et al.</i> , "Improved methods of retroviral vector transduction and production for gene therapy," <i>Human Gene Therapy</i> , 5:19-28, 1994

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Serial No. 09/203,078- 09/880609

Applicants
Shuyuan Zhang, Capucine Thwin, Zheng Wu,
Toohyon Cho, and Shawn Gallagher

Filing Date:	Group:
6/12/2001	Unknown

Foreign Patent Documents
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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>ML</i>	A1	4,352,883	10/05/82	Lim			

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MM	B1	WO 94/17178	08/04/94	PCT			
	B2	WO 96/27677	09/12/96	PCT			
	B3	WO/98/00524	01/08/98	PCT			
	B4	WO 97/08298	03/06/97	PCT			
	B5	EP 0273085	12/29/86	Europe			
	B6	WO 98/22588	5/28/98	PCT			
	B7	WO 98/26048	6/18/98	PCT			
M. /	B8	WO 98/54441	10/28/99	PCT			

Exam. Init.	Ref. Des.	Citation
MM	C1	Aboud <i>et al.</i> , "Rapid purification of extracellular and intracellular moloney murine leukemia virus," <i>Arch. Virol.</i> , 71:185-195, 1982.
↓	C2	Arap <i>et al.</i> , "Replacement of the <i>p16/CDKN2</i> gene suppresses human glioma cell growth," <i>Cancer Res.</i> , 55:1351-1354, 1995.
↓	C3	Baichwal and Sugden, <i>In: Kucherlapati R, ed. Gene transfer.</i> New York: Plenum Press, pp. 117-148, 1986.

Date Considered: 9-30-03

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		Filing Date: June 12, 2001	Group: 1648
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
MM	A15	2002/0018723	2/14/02	Mera <i>et al.</i>	417	222.2	8/03/01
MM	A16	6,689,600	2/10/04	Wu and Zhang	435	235.1	11/16/99

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MA	B24	WO 95/06743	3/09/95	WIPO			English
	B25	WO 96/09399	3/28/96	WIPO			English
	B26	WO 00/32754	6/08/00	WIPO			English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
MM	C127	Haruna <i>et al.</i> , "Separation of adenovirus by chromatography on DEAE-cellulose," Virology, 13:264-267, 1961.

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10/31/05

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